Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/10/2022 09:10 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125259	0	1.49	125102	1.47
Blue	F	SSC	125000	126131	0	2.72	126758	2.66
Blue	E	FITC	15860	15400	-3	2.27	375	14.26
Blue	D	PE	27718	27470	-1	1.68	639	10.37
Blue	B	PerCP-Cy5-5	38046	37259	-3	2.91	1021	15.10
Blue	A	PE-Cy7	26092	25992	-1	4.82	509	31.08
Red	C	APC	49104	48344	-2	2.68	1702	11.24
Red	A	APC-Cy7	28201	27422	-3	2.94	721	12.50
Violet	B	V450	9904	9356	-6	3.72	514	12.06
Violet	A	V500	39004	37576	-4	3.31	977	8.86

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24035	1.85	567	-2	N/A	N/A	Pass
Blue	F	SSC	56306	1.55	523	-5	N/A	N/A	Pass
Blue	E	FITC	59	54.24	492	1	0.0408	55	Pass
Blue	D	PE	125	37.49	498	2	0.3920	274	Pass
Blue	B	PerCP-Cy5-5	140	45.85	590	1	0.0191	85	Pass
Blue	A	PE-Cy7	65	95.55	634	2	0.0210	4	Pass
Red	C	APC	326	27.11	578	-3	0.0296	240	Pass
Red	A	APC-Cy7	97	42.62	551	-4	0.0059	1043	Pass
Violet	B	V450	84	50.06	457	-1	0.0505	1950	Pass
Violet	A	V500	124	34.11	469	0	0.0263	1659	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.86	-31.55	1.10
Blue	20.35	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.44
Red	15.40	13.90 - 20.86	N/A	N/A	29.85	30.12	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 9507

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments